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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/656,633	09/05/2003	Joe A. Salazar	III/001	8121
7590 06/16/2006			EXAMINER	
Thomas J. Brindisi, Esq.			LU, ZHIYU	
Suite B			ART UNIT	
20 28th Place			PAPER NUMBER	
Venice, CA 90291			2618	

DATE MAILED: 06/16/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>		<b>Applicant(s)</b>	
	10/656,633		SALAZAR ET AL.	
	<b>Examiner</b>		<b>Art Unit</b>	
	Zhiyu Lu		2618	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1) ☒ Responsive to communication(s) filed on 05 September 2003.

2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4) ☒ Claim(s) 1-20 is/are pending in the application.

    4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.

6) ☒ Claim(s) 1-20 is/are rejected.

7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.

8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

9) ☒ The specification is objected to by the Examiner.

10) ☒ The drawing(s) filed on 05 September 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
     a) ☐ All    b) ☐ Some \* c) ☐ None of:  
         1. ☐ Certified copies of the priority documents have been received.  
         2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
         3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date: _____
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
Paper No(s)/Mail Date: _____	6) <input type="checkbox"/> Other: _____

## **DETAILED ACTION**

### ***Claim Objections***

1. Claim 1, 17 and 19 are objected to because of the following informalities:  
In c) of claims 1, 17 and 19, remove “,” after “and” to correct grammatical errors.

Appropriate correction is required.

### ***Drawings***

2. The drawings are objected to because no labels are shown to indicate object/box details. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as “amended.” If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either “Replacement Sheet” or “New Sheet” pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-11 and 14-17 are rejected under 35 U.S.C. 102(b) as being anticipated by Chen et al. (US2001/0030950).

Regarding claim 1, Chen et al. anticipate a communication, command, and control unit for use in a modular and adaptive communication, command, and control system, said communication, command, and control unit (18 of Fig. 1) having an external housing and including:

an interface module including a command and control input means (42 of Fig. 3);

an input/output module including an input/output port (24, 40, 42, 50, 52 and 84 of Fig. 5);

a plug-and-play connector (paragraph 0054); and

a master application/interface controller module connected to said interface module, said input/output module, and said plug-and-play connector (114 of Figs. 6A-B).

Regarding claim 17, Chen et al. anticipate a communication, command, and control unit for use with an information handling/processing/networking, industrial, commercial, medical, military, or security system, said communication, command, and control unit (18 of Fig. 1) having an external housing and including:

an interface module including a command and control input means (42 of Fig. 3);

an input/output module including an input/output port (24, 40, 42, 50, 52 and 84 of Fig. 5);  
a plug-and-play connector (paragraph 0054); and  
a master application/interface controller module connected to said interface module, said input/output module, and said plug-and-play connector (114 of Figs. 6A-B).

Regarding claim 2, Chen et al. anticipate the limitation of claim 1.

Chen et al. also anticipate the limitation of said master application/interface controller can be dynamically programmed with one or more generic application interfaces (Figs. 7-11, paragraphs 0042, 0091-0092, 0105 and 0137).

Regarding claim 3, Chen et al. anticipate the limitation of claim 1.

Chen et al. also anticipate the limitation of said master application/interface controller can be dynamically programmed with one or more module-specific application interfaces (Figs. 7-11, paragraphs 0042, 0091-0092, 0105 and 0137).

Regarding claim 4, Chen et al. anticipate the limitation of claim 1.

Chen et al. also anticipate the limitation of said master application/interface controller can be dynamically programmed with a set of generic application interfaces and a set of module-specific application interfaces, and wherein said set of generic application interfaces and module-specific application interfaces are configured to permit said communication, command, and

control unit to interface with and control multiple home electronic devices (Figs. 7-11, paragraphs 0042, 0091-0092, 0105 and 0137).

Regarding claim 5, Chen et al. anticipate the limitation of claim 1.

Chen et al. also anticipate the limitation of said input/output module includes at least one element selected from the following set: an RF transceiver, and an IR transceiver (130 and 132 of Figs. 6A-B).

Regarding claim 6, Chen et al. anticipate the limitation of claim 1.

Chen et al. anticipate the limitation of said input/output module includes an RF transceiver and an IR transceiver (130 and 132 of Figs. 6A-B).

Regarding claim 7, Chen et al. anticipate the limitation of claim 1.

Chen et al. also anticipate the limitation of said input/output module includes at least one element selected from the following set: a USB adapter, a RJ11 jack, an AC power line plug, an optic cable adapter, a RF cable adapter, and a point-to-point wire connector (paragraph 0054).

Regarding claim 8, Chen et al. anticipate the limitation of claim 1.

Chen et al. also anticipate the limitation of said command and control input means includes at least one element selected from the following set: a keypad, a touch screen, and a microphone (40 and 42 of Fig. 5).

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Regarding claim 9, Chen et al. anticipate the limitation of claim 1.

Chen et al. also anticipate the limitation of said interface module further includes a display means (40 of Fig. 5).

Regarding claim 10, Chen et al. anticipate the limitation of claim 1.

Chen et al. also anticipate the limitation of said input/output port includes a wired input/output port (110 of Figs. 6A-B) connected to said master application/interface controller module (114 of Figs. 6A-B).

Regarding claim 11, Chen et al. anticipate the limitation of claim 10.

Chen et al. also anticipate the limitation of said communication, command, and control unit is a base station (18 of Fig. 1, paragraph 0057).

Regarding claim 14, Chen et al. anticipate the limitation of claim 1.

Chen et al. also anticipate the limitation of further comprising a plug-and-play module connected to said plug-and-play connector (paragraphs 0054 and 0065).

Regarding claim 15, Chen et al. anticipate the limitation of claim 1.

Chen et al. also anticipate the limitation of said communication, command, and control unit is adapted for use in one or more information handling/processing/networking, industrial, commercial, medical, military, or security-related applications (paragraph 0136).

Regarding claim 16, Chen et al. anticipate the limitation of claim 15.

Chen et al. also anticipate the limitation of further comprising a plug-and-play module adapted to perform one or more information handling/processing/networking, industrial, commercial, medical, military, or security functions and connected to said plug-and-play connector (paragraphs 0054, 0065 and 0136).

### *Claim Rejections - 35 USC § 103*

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 12-13 and 19-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chen et al. (US2001/0030950) in view of Ayoub et al. (WO00/02361).

Regarding claim 12, Chen et al. teach the limitation of claim 1.

But, Chen et al. do not expressly disclose the limitation of said communication, command, and control unit is a handset.

Ayoub et al. teach a mobile terminal having the same structure as the communication, command, and control unit Chen et al. disclosed (Figs. 1-3, page 2 line 31 to page 6 line 8).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the communication, command, and control unit of Chen et al. into a handset taught by Ayoub et al., in order to provide handheld mobility to the unit.



Regarding claim 13, Chen et al. and Ayoub et al. teach the limitation of claim 12.

Chen et al. also teach a handset (20 of Fig. 1) adapted to connect with a base station (18 of Fig. 1) so as to form an integrated handset/base station pair (paragraph 0058).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the mobile terminal of Ayoub et al. as the handset of the integrated handset/base station pair of Chen et al., in order to provide home-based phone service.

Regarding claim 19, Chen et al. teach a modular communication, command, and control system comprising at least one handset and at least one base station, wherein said base station includes:

- a housing (inherent);

- an interface module including a command and control input means (42 of Fig. 3);

- an input/output module including an input/output port (24, 40, 42, 50, 52 and 84 of Fig. 5);

- a plug-and-play connector (paragraph 0054); and

- a master application/interface controller module connected to said interface module, said input/output module, and said plug-and-play connector (114 of Figs. 6A-B).

But, Chen et al. do not expressly disclose the limitation of the handset having the same components as well.

Ayoub et al. teach a mobile terminal having the same structure as the communication, command, and control unit Chen et al. disclosed (Figs. 1-3, page 2 line 31 to page 6 line 8).

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And Chen et al. also teach a handset (20 of Fig. 1) adapted to connect with a base station (18 of Fig. 1) so as to form an integrated handset/base station pair (paragraph 0058).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the mobile terminal of Ayoub et al. as the handset of the modular communication, command, and control system of Chen et al., in order to provide home-based phone service.

Regarding claim 20, Chen et al. and Ayoub et al. teach the limitation of claim 19.

Chen et al. also teach the limitation of a handset and a base station are adapted to connect with each other so as to form an integrated handset/base station pair (paragraph 0058).

5. Claim 18 is rejected under 35 U.S.C. 103(a) as being unpatentable over Chen et al. (US2001/0030950) in view of Lim et al. (US2004/0033052).

Regarding claim 18, Chen et al. teach the limitation of claim 17.

But, Chen et al. do not expressly disclose the limitation of further comprising a plug-and-play module adapted to perform security functions and connected to said plug-and-play connector.

Lim et al. teach the limitation of a USB security camera (paragraph 0003).


Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate a USB security camera taught by Lim et al. into the communication, command, and control unit of Chen et al., in order to provide security surveillance and route to remote location for observation as well.

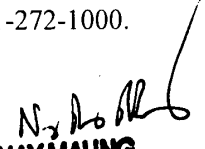
***Conclusion***

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Zhiyu Lu whose telephone number is (571) 272-2837. The examiner can normally be reached on Weekdays: 9AM-5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung can be reached on (571) 272-7882. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Zhiyu Lu   
May 23, 2006

  
**NAY MAUNG**  
**SUPERVISORY PATENT EXAMINER**